

VALID

Pat. No. 06004692 - 7  
Issue Date: 08/30/04

Group ID: A  
User ID: Faalexa      Page 1  
KS: 9,137

Warning [Pages Of US References:]

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page 2 has no references  
page 4 has no references  
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Warning [Pages Of Foreign References:]

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Warning [Pages Of Other References:]

page 3 has no references

Warning [Blue Slip Sub Class Versus Sub Class:]

has SubClass from Blue Slip that does not match SubClass from Jacket

96-91

reprint

Return to Kathy when done

VALID

Pat. No. 06004692 - 7  
Issue Date: 08/30/04

Group ID: A                      Page 1  
User ID: Faalexa              KS: 9,122

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Reprint

## CHECK LIST

<u>Rule 47</u>	<u>Continuing Data</u>	<u>PCT</u>	<u>Disclaimer</u>
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No	Yes	No	No
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<u>Microfiche</u>	<u>Appendix</u>	<u>CPA</u>	<u>tag</u>
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No No

**Foreign Priority Claimed:** No

**Acknowledged:** No

**State Code:** WA **Country Code:**

**Text Endorsement:** 09724777.122800

## JACKET

<u>SERIAL</u> <u>NUMBER</u>	<u>FILING</u> <u>DATE</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
09/724,777	11/28/00	345	700	2173

**FOREIGN PRIORITY**

<u>Country</u>	<u>Document</u>	<u>Number</u>	<u>Date</u>
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## DISCLAIMER

/ /

**TITLE**

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Requesting computer user+3 s context data
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## MICROFICHE APPENDIX

**ASSISTANT EXAMINER:**

First: \_\_\_\_\_ Middle: \_\_\_\_\_ Last: \_\_\_\_\_

Tadesse Hailu

**PRIMARY EXAMINER:**

**First:** \_\_\_\_\_ **Middle:** \_\_\_\_\_ **Last:** \_\_\_\_\_

Ba Huynh

## CLAIMS ALLOWED

Total      Print

132      1

DRAWINGS

Sheets      Figures      Print

24      28      Y

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BLUE SLIP INFORMATION

<u>SERIAL NUMBER</u>	<u>CLASS</u>	<u>SUBCLASS</u>	<u>GAU</u>
09/724,777	345	740	2173

INDEP. CLAIMS

TOTAL CLAIMS

1,9,72,73,74,75,76,78,79,82,83,99,100,101,102,116,117,118,131,132132

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BLUE SLIP (Page 1)

INTERNATIONAL CLASSIFICATION

Class      SubClass

G09G      5/00

CROSS-REFERENCES

Class      SubClass

709      213;223

707      10;200

719      318;311

345      744;736

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TERM EXTENSION

577

FIELD OF SEARCH

Class      SubClass

345 700;708;714;717;733-748  
709 200-203;213;217;219;223;224-229  
707 10;200;102;104.1  
719 311-318

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OATH

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Kenneth	H.	Abbott	Yes

City: Kirkland

State: WA    ZIP Code:    Country:    Foreign ZIP:

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
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State: WA    ZIP Code:    Country:    Foreign ZIP:

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
Dan		Newell	Yes

City: Medina

State: WA    ZIP Code:    Country:    Foreign ZIP:

INVENTOR NAME

<u>First:</u>	<u>Middle:</u>	<u>Last:</u>	<u>Signed:</u>
James	O.	Robarts	Yes

City: Redmond

State: WA    ZIP Code:    Country:    Foreign ZIP:

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PCT INFO

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CONTINUING DATA (Page 1)

<u>LINE</u>	<u>CODE</u>	<u>SERIAL NUMBER</u>	<u>FILING DATE</u>	<u>STATUS</u>	<u>DOCUMENT NO.</u>	<u>ISSUE DATE</u>
104	72	09/216,193	12/18/1998			/ /
105	75	09/464,659	12/15/1999			/ /
106	68	60/193,998	04/02/2000			/ /
107	68	60/193,999	04/02/2000			/ /

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REFERENCES (Page 1) SERIAL NUMBER: 09/724,777  
FORM 892

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
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FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Joachim Biskup et al, +37 Towards Secure Mediation,+38 +0 Oct. 1998.

-----

Andy Harter and Andy Hopper, A Distributed Location System for the  
Active Office, Nov. 1993.

-----

Yannis Papakonstantinou, Hector Garcia-Molina, Jeffrey Ullman, +37  
MedMaker: A Mediation System Based on Declarative. Specifications,+38  
+0 (1995).

-----

Schmidt et al, +37 There is more to Context than Location,+38 +0 Nov.  
1998.

=====

REFERENCES (Page 2) SERIAL NUMBER: 09/724,777  
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
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FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

U.S. Appl. No. 09/724,799, filed Nov. 28, 2000, Abbott et al.

-----

U.S. Appl. No. 09/724,892, filed Nov. 28, 2000, Abbott et al.

-----

U.S. Appl. No. 09/724,893, filed Nov. 28, 2000, Abbott et al.

-----

U.S. Appl. No. 09/724,894, filed Nov. 28, 2000, Abbott et al.

-----

U.S. Appl. No. 09/724,902, filed Nov. 28, 2000, Abbott et al.

-----

U.S. Appl. No. 09/724,932, filed Nov. 28, 2000, Abbott et al.

-----

U.S. Appl. No. 09/724,949, filed Nov. 28, 2000, Abbott et al.

=====

REFERENCES (Page 3) SERIAL NUMBER: 09/724,777  
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
---------------------	-------------	-----------------	--------------	-----------------

4,916,441            04/1990   Gombrich

5,032,083            07/1991   Friedman

5,201,034            04/1993   Matsuura et al.

5,208,449            05/1993   Eastman et al.

5,214,757            05/1993   Mauney et al.

5,227,614	07/1993 Danielson et al.
5,335,276	08/1994 Thompson et al.
5,416,730	05/1995 Lookofsky
5,470,233	11/1995 Fruchterman et al.
5,493,692	02/1996 Theimer et al.
5,544,321	08/1996 Theimer et al.
5,555,376	09/1996 Theimer et al.
5,559,520	09/1996 Barzegar et al.
5,568,645	10/1996 Morris et al.
5,601,435	02/1997 Quy
5,603,054	02/1997 Theimer et al.
5,611,050	03/1997 Theimer et al.
5,642,303	06/1997 Small et al.
5,646,629	07/1997 Loomis et al.
5,719,744	02/1998 Jenkins et al.
5,726,660	03/1998 Purdy et al.
5,751,260	05/1998 Nappi et al.
5,781,913	07/1998 Felsenstein et al.
5,790,974	08/1998 Tognazzini
5,798,733	08/1998 Ethridge
5,812,865	09/1998 Theimer et al.
5,873,070	02/1999 Bunte et al.
5,878,274	03/1999 Kono et al.
5,902,347	05/1999 Backman et al.
5,910,799	06/1999 Carpenter et al.
5,938,721	08/1999 Dussell et al.



5,948,041            09/1999 Abo et al.  
5,959,611            09/1999 Smailagic et al.  
5,991,687            11/1999 Hale et al.  
\*6,014,638           01/2000 Burge et al.  
No issue date available.  
\*6,047,301           04/2000 Bjorklund et al.  
No issue date available.  
\*6,064,943           05/2000 Clark, Jr. et al.  
No issue date available.  
\*6,108,197           08/2000 Janik  
No issue date available.  
\*6,127,990           10/2000 Zwern  
No issue date available.

FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

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REFERENCES (Page 4) SERIAL NUMBER: 09/724,777  
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
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FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
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OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

+37 +0 +1 Affective Understanding:+2 +0 Modeling and Responding to  
User Affect,+38 +0 <http://www.media.mit.edu/affect/AC+hd> +13 +1  
research/understanding.html, pp. 1-3 +8 Accessed Oct. 2, 1998+9 .

-----

+37 Alps GlidePoint,+38 +0 <http://www.alps.com/p17.html>, p. 1 +8  
Accessed Oct. 2, 1998+9 .

-----

+37 GyroPoint Technology,+38 +0

<http://www.gyration.com/html/gyropoint.html>, pp. 1-3 +8 Accessed Oct. 2, 1998+9 .

-----

+37 Haptics,+38 +0

<http://www.ai.mit.edu/projects/handarm-haptics/haptics.html>, pp. 1-2 +8 Accessed Oct. 2, 1998+9 .

-----

+37 Research Areas in Affective Computing,+38 +0

<http://www.media.mit.edu/affect/>, p. 1 +8 Accessed Oct. 2, 1998+9 .

-----

+37 Research on Affective Pattern Recognition and Modeling,+38 +0

<http://www.media.mit.edu/affect/AC+hd> +13 +1  
[research/research/recognizing.html](http://www.media.mit.edu/affect/AC+hd+research/research/research/recognizing.html), pp. 1-4 +8 Accessed Oct. 2, 1998+9 .

-----

+37 Research on Sensing Human Affect,+38 +0

<http://www.media.mit.edu/affect/AC+hd> +13 +1 [research/research/sensing.html](http://www.media.mit.edu/affect/AC+hd+research/research/research/sensing.html),  
pp. 1-5 +8 Accessed Oct. 2, 1998+9 .

-----

+37 Smart Rooms,+38 +0

<http://www.media.mit.edu/vismod/demos/smartroom/>, pp. 1-3 +8  
Accessed Oct. 2, 1998+9 .

-----

+37 SmartDesk Home Page,+38 +0

<http://www.media.mit.edu/vismod/demos/smartdesk/>, pp. 1-4 +8  
Accessed Oct. 2, 1998+9 .

-----

+37 The MIT Wearable Computing Web Page,+38 +0

<http://www.media.mit.edu/projects/wearables/>, pp. 1-3 +8

Accessed Oct. 2, 1998+9 .

-----  
+37 Wearable Computer Systems for Affective Computing,+38 +0

<http://www.media.mit.edu/affect/AC+hd> +13 +1 research/wearables.html,  
pp. 1-5 +8 Accessed Oct. 2, 1998+9 .

-----  
Aoki, Hisashi et al., +37 Realtime Personal Positioning System for a  
Wearable Computer,+38 +0 3+hu rd +1 International Symposium on  
Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

-----  
Bauer et al., +37 A Collaborative Wearable System with Remote  
Sensing,+38 +0 University of Oregon, Feb. 1996.

-----  
Billinghurst, Mark and Thad Starner, +37 New Ways to Manage  
Information,+38 +0 +i IEEE+1 , pp. 57-64, Jan. 1999.

-----  
Bowskill, J. et al., +37 Wearable Location Mediated  
Telecommunications; A First Step Towards Contextual Communication,+38  
+0 3+hu rd +1 International Symposium on Wearable Computers, San  
Francisco, California, Oct. 18-19, 1999.

-----  
Dey, Anind K. et al., +37 The Conference Assistant: Combining  
Context-Awareness with Wearable Computing,+38 +0 3+hu rd +1  
International Symposium on Wearable Computers, San Francisco,  
California, Oct. 18-19, 1999.

-----  
Finger et al., +37 Rapid Design and Manufacture of Wearable  
Computers,+38 +0 Communication of the ACM, vol. 39, No. 2, Feb. 1996,  
pp. 63-68.

-----  
Golding, Andrew and Neal Lesh, +37 Indoor Navigation Using a Diverse  
Set of Cheap, Wearable Sensors,+38 +0 3+hu rd +1 International  
Symposium on Wearable Computers, San Francisco, California, Oct.  
18-19, 1999.

-----  
Hull et al., +37 Towards Situated Computing,+38 +0 Hewlett-Packard  
Laboratories, HPL-97-66 (1997).

-----  
Kirsch, Dana, +37 The Sentic Mouse: A tool for measuring emotional  
valence,+38 +0 [http://www.media.mit.edu/affect/AC+hd+13+1](http://www.media.mit.edu/affect/AC+hd+13+1research/projects/sentic+hd+13+1mouse.html)  
[research/projects/sentic+hd+13+1mouse.html](http://www.media.mit.edu/affect/AC+hd+13+1research/projects/sentic+hd+13+1mouse.html), pp. 1-2 +8 Accessed  
Oct. 2, 1998+9 .

-----  
Kortuem et al., +37 Context-Aware, Adaptive Wearable Computers as  
Remote Interfaces to +1 Intelligent+2 +0 Environments,+38 +0  
University of Oregon, Oct. 1998.

-----  
Kortuem, Gerd, +37 When Cyborgs Meet: Building Communities of  
Cooperating Wearable Agents,+38 +0 3+hu rd +1 International Symposium  
on Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

=====  
REFERENCES (Page 5) SERIAL NUMBER: 09/724,777  
FORM 1449

U.S. REFERENCES

<u>U.S. Pat No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Class</u>	<u>SubClass</u>
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FOREIGN REFERENCES

<u>Foreign Doc No.</u>	<u>Date</u>	<u>Country</u>	<u>Class</u>	<u>SubClass</u>
------------------------	-------------	----------------	--------------	-----------------

OTHER REFERENCE CITATIONS (incl. Author, Title, Date, Pertinent Pages, etc.)

Lashkari, Yezdi et al., +37 Collaborative Interface Agents,+38 +0  
Proceedings of AAAI +3 94 Conference, Seattle, Washington, Aug. 1994.

-----  
Lehikoinen, Juha et al., +37 MEX: A Distributed Software Architecture  
for Wearable Computers,+38 +0 3+hu rd +1 International Symposium on  
Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

-----  
Leonhardi, Alexander et al., Virtual Information Towers+13 A Metaphor  
for Intuitive, Location-Aware Information Access in a Mobile  
Environment, 3+hu rd +1 International Symposium on Wearable Computers,  
San Francisco, California, Oct. 18-19, 1999.

-----  
Lunt, Teresa F. et al., +37 Knowledge-Based Intrusion Detection,+38 +0  
Proceedings of the Annual Artificial Intelligence Systems in  
Government Conference, IEEE Comp. Soc. Press, vol. Conf. 4, 1989, pp.  
102-107.

-----  
Maes, Pattie, +37 Agents That Reduce Work and Information Overload,+38  
+0 Communications of the ACM, vol. 37, No. 7, Jul. 1994.

-----  
Mann, Steve, +37 +1 Smart Clothing+2 : Wearable Multimedia Computing  
and +1 Personal Imaging+2 +0 to Restore the Technological Balance  
Between People and Their Environments+38 , ACM Multimedia, Nov. 1996,  
pp. 163-174.

-----  
Metz, Cade, +37 MIT: Wearable PCs, Electronic Ink, and Smart Rooms,+38  
+0 +i PC Magazine+1 , pp. 192-193, Jun. 1998.

-----  
Oakes, Chris, +37 The Truman Show Realized+48 ,+38 +0

<http://www.wired.com/news/news/technology/story/15745.html>, pp. 1-4 +8  
Accessed Oct. 21, 1998+9 .

-----  
Picard, R.W. and Healey, J., +37 Affective Wearables,+38 +0 Personal  
Technologies vol. 1: 231-240, MIT Media Laboratory (1997).

-----  
Rekimoto et al., +37 The World through the Computer: Computer  
Augmented Interaction with Real World Environments, +38 +0 ACM, Nov.  
1995, pp. 29-36.

-----  
Rhodes, Bradley, +37 WIMP Interface Considered Fatal,+38 +0  
<http://rhodes.www.media.mit.edu/people/rhodes/Papers/no-wimp.html>, pp.  
1-3 +8 Accessed Oct. 2, 1998+9 .

-----  
Rhodes, Bradley, J. +37 The Wearable Remembrance Agent: A System for  
Augmented Memory,+38 +0 Proceedings of the First International  
Symposium on Wearable Computers (ISWC +3 97), Cambridge, MA, Oct.  
13-14, 1997.

-----  
Sato, J. et al., +37 Autonomous Behavior Control of Virtual Actors  
Based on the AIR Model,+38 +0 Proceedings Computer Animation, Jun. 5,  
1997.

-----  
Schneider, Jay and Jim Suruda, +37 Modeling Wearable Negotiation in an  
Opportunistic Task Oriented Domain,+38 +0 3+hu rd +1 International  
Symposium on Wearable Computers, San Francisco, California, Oct.  
18-19, 1999.

-----  
Smailagic et al., +37 Matching interface design with user task:

Modalities of Interaction with CMU Wearable Computers,+38 +0 IEEE  
Personal Communications, Feb. 1996, pp. 14-25.

-----  
Smailagic, Asim et al., +37 MoCCA: A Mobile Communication and  
Computing Architecture,+38 +0 3+hu rd +l International Symposium on  
Wearable Computers, San Francisco, California, Oct. 18-19, 1999.

-----  
Starner et al., +37 Visual Contextual Awareness in Wearable  
Computing,+38 +0 Media Lab, MIT, Oct. 1998.

-----  
Tan, Hong Z. and Alex Pentland, +37 Tactual Displays for Wearable  
Computing,+38 +0 +i IEEE+l , Massachusetts Institute of Technology  
Media Laboratory, pp. 84-88, 1997.

-----  
Yang, Jie et al., +37 Smart Sight: A Tourist Assistant System,+38 +0  
3+hu rd +l International Symposium on Wearable Computers, San  
Francisco, California, Oct. 18-19, 1999.

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